

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-12-01 09:30:08
 Date of Next Testing: 2027-11-30 09:30:08
 Product Name: **Esculin sesquihydrate**
 CAS Number: 66778-17-4
 Specifications & Purity: 98%
 Lot #: K2329393
 SKU #: **E103661**
Analysis: **297154**
 Storage Temperature: Protected from light

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.34300%
Water by Karl Fischer	6.5-8.5 (%)	7.23%
Specific Rotation [α] ₂₀ /D(c=2.4 in 50% Dioxane)(calcd.on anh)	-88--84 (°)	-85.87°
Purity(Neutralization titration)(calcd.on anh.substance)	97.5-102.5 (%)	102.49%
Appearance (E103661)	White to off-white solid	White to off-white solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in hot H ₂ O	almost transparency	almost transparency



John Su
QA & QC Manager